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Group	Number of Mice	Dosage	Survivors (days)	Increased Life Span (ILS)
I	10	0.002 ml fetuin	1 (31)	29%
II	10	0.02 ml fetuin	1 (29)	17.2 %
III	10	0.2 ml fetuin	8 (58)	141 %
IV	10	0.5 ml saline	0 (24)	---

Fig. 1

Type of Fetuin	Amount Required to Reach LD <sub>50</sub>
Fetuin + Zn	130 $\mu$ M
Supercharged Zinc Fetuin	14.3 $\mu$ M

Fig. 2

Type of Fetuin	Amount Required to Reach LD <sub>50</sub>
Fetuin + Zn	60 $\mu$ M
Supercharged Zinc Fetuin	19.6 $\mu$ M

Fig. 3

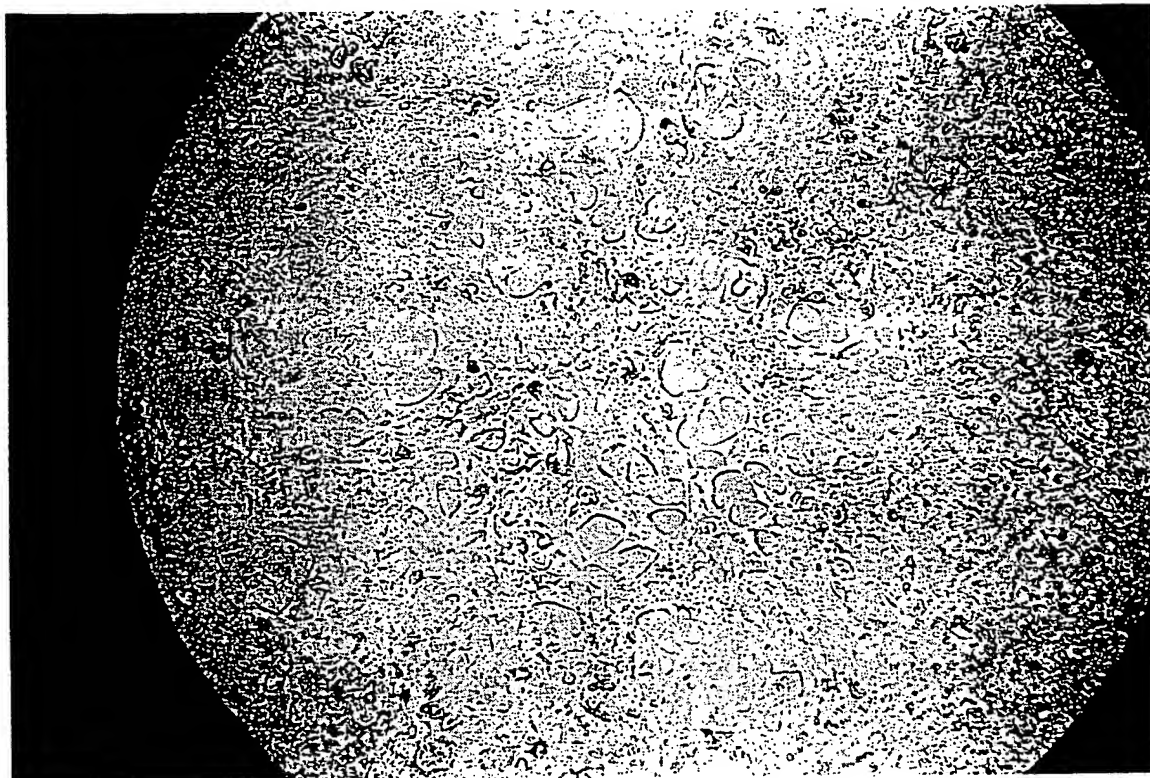


FIG. 4

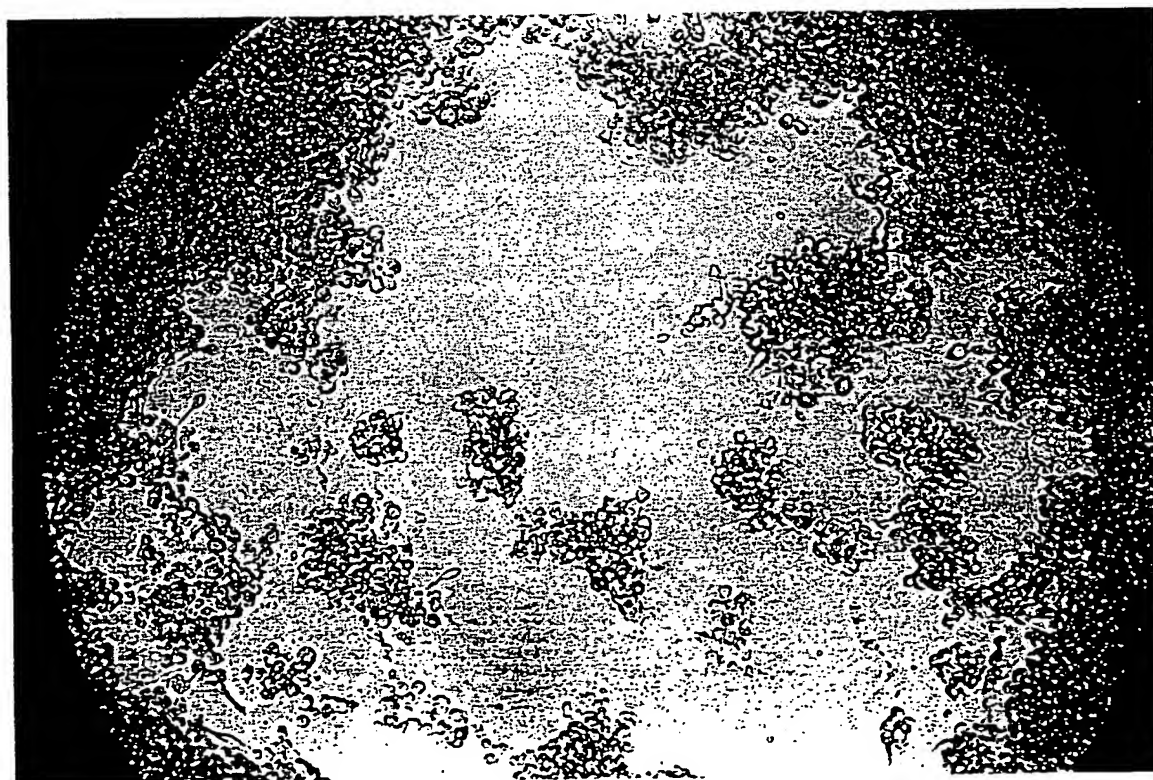


FIG. 5

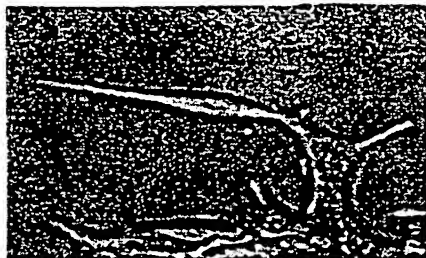


FIG. 6



FIG. 9



FIG. 7

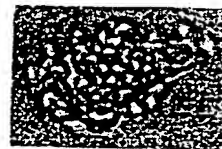


FIG. 10

FIG. 8

<u>Experiment</u>	<u>Sample</u>	<u>Apoptosis (%)</u>
1	Filtrate (10 $\mu$ l)	92%
	Filtrate (10 $\mu$ l) + proteinase K	50%
2	Filtrate (5 $\mu$ l)	35%
	Filtrate (5 $\mu$ l) + proteinase K	0%
3	Filtrate (10 $\mu$ l)	75%
	Filtrate (10 $\mu$ l) + proteinase K	0%

FIG. 13

<u>Fetuin</u>	<u>LD<sub>50</sub></u>
Zinc Charged Fetuin (full length)	LD <sub>50</sub> = 3-10 $\mu$ M
Fetuin Fragment (amino acid no. 300-309)	LD <sub>50</sub> = 0.3-0.4 $\mu$ M
Fetuin Fragment (amino acid no. 300-307)	LD <sub>50</sub> >> 1 mM
Fetuin Fragment (amino acid no. 310-317)	LD <sub>50</sub> >> 1 mM

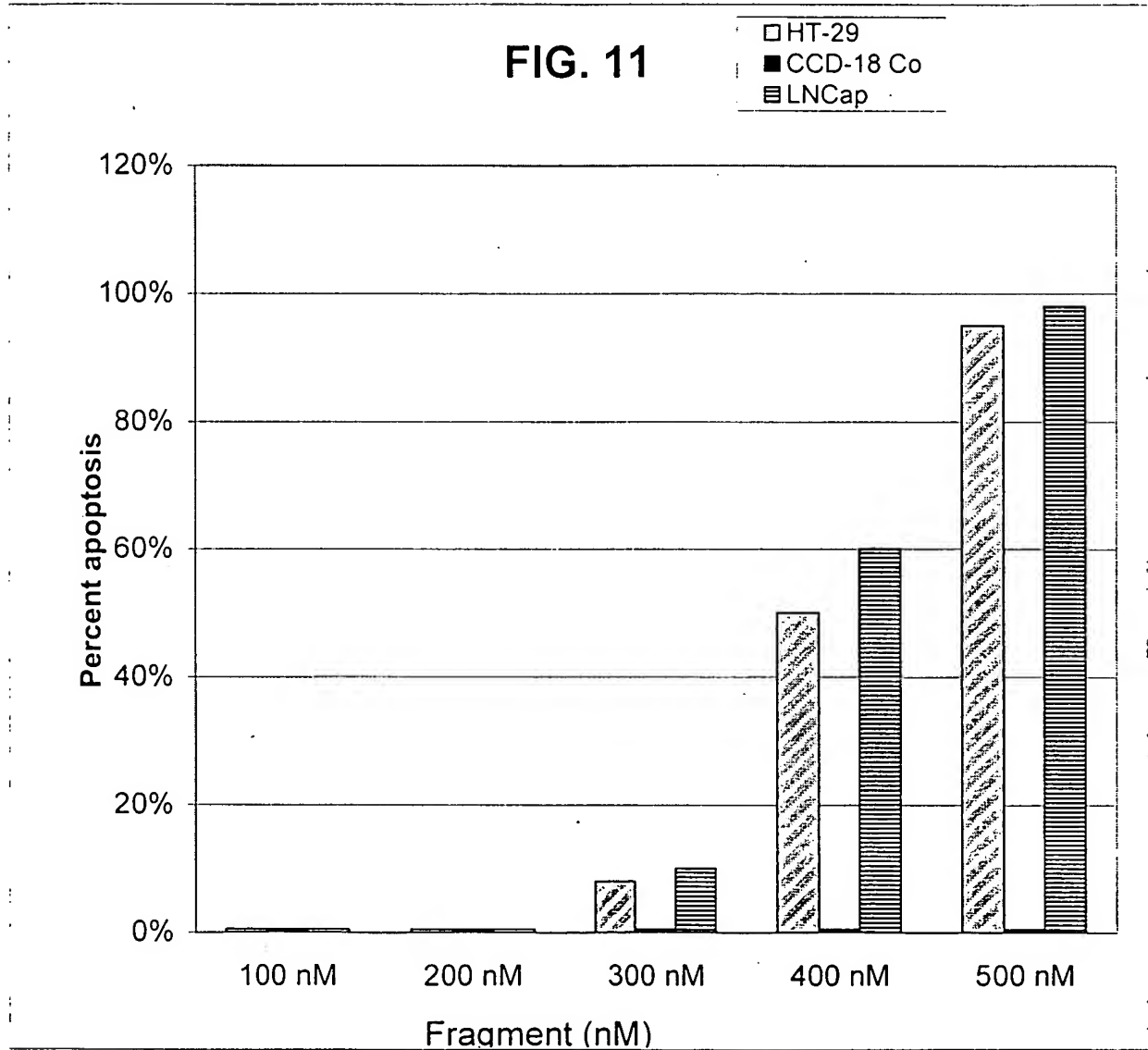


FIG. 12

